

# University of Pretoria Yearbook 2022

## Environmental physiology 704 (ZEN 704)

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|-------------------------------|-----------------------------------------------------------------------|
| <b>Qualification</b>          | Postgraduate                                                          |
| <b>Faculty</b>                | <a href="#">Faculty of Natural and Agricultural Sciences</a>          |
| <b>Module credits</b>         | 13.00                                                                 |
| <b>NQF Level</b>              | 08                                                                    |
| <b>Programmes</b>             | <a href="#">BScHons Entomology</a><br><a href="#">BScHons Zoology</a> |
| <b>Prerequisites</b>          | No prerequisites.                                                     |
| <b>Contact time</b>           | 4 discussion classes per week                                         |
| <b>Language of tuition</b>    | Module is presented in English                                        |
| <b>Department</b>             | Zoology and Entomology                                                |
| <b>Period of presentation</b> | Semester 1                                                            |

### Module content

Photoperiodism and chronobiology – the ability of animals to measure daylength, the concept of circadian rhythm and the nature of the clock which drives such processes. Water availability and temperature – physiological responses of animals to changing water availability and temperature in the context of global climate change. Regulation of reproduction – physiological mechanisms which couple reproduction to external and internal environmental factors.

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